

## Recovery Plan Action Status

**Plan Name: South Florida Multi-Species Recovery Plan (68 spp.)**

**Plan Status: Final**

**Plan Date: 18-May-99**

**Lead Agency: USFWS**

**Lead Office: South Florida Ecological Services Field Office**

**(562-3909)**

Species	Action Priority #	Action #	Action Description	Action Status	Est. Initiation Date	Est. Completion Date	Responsible Parties	Work Type	Labor Type	Action Comments
Garrett's mint (Dicerandra christmanii)	2	chga-s4.3	Monitor status and success of all populations and change management practices if so indicated.	Not Started			Department of Environmental Resources Management, South Florida counties	Work type not yet selected	Labor type not yet selected	Action lead(s): FWS
Garrett's mint (Dicerandra christmanii)	1	dich-h1.1	Secure habitat through acquisition, landowner agreements, and conservation easements for Garrett's mint (Dicerandra christmanii).	Ongoing Current	Prior to FY 1995		Florida Department of Environmental Protection, Non-governmental organizations	Acquisition	Internal Administrative	Cost dependent upon specific site and amount of land acquired. Action lead(s): FWS
Garrett's mint (Dicerandra christmanii)	2	dich-h1.2.1	Conduct prescribed burns.	Not Started			Florida Department of Environmental Protection, Florida Division of Forestry, Private industry, landowners, etc.	Work type not yet selected	Labor type not yet selected	Cost is per acre (ex. 1/acre); Total cost dependent upon number of acres burned. Action lead(s): FWS, DOF
Garrett's mint (Dicerandra christmanii)	3	dich-h1.2.2	Control and eliminate exotic and invasive plants and animals.	Ongoing Current	FY 2011		Florida Department of Environmental Protection, Florida Department of Transportation, Florida Fish and Wildlife Conservation Commission, Non-governmental organizations, Florida Division of Forestry, Water Management Districts	Work type not yet selected	Labor type not yet selected	Cost is per acre (ex. 2/acre); Total cost dependent upon number of acres infected with exotics. Action lead(s): FWS
Garrett's mint (Dicerandra christmanii)	1	dich-h1.2.3	Control access to areas where listed plants are growing.	Partially Complete	FY 2005		Florida Department of Environmental Protection, Florida Fish and Wildlife Conservation Commission	Work type not yet selected	Labor type not yet selected	Task currently conducted and cost is included in responsible agency's budget. Action lead(s): FWS

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Garrett's mint (Dicerandra christmanii)	3	dich-h2.1	Restore natural fire regime.	Not Started			Florida Department of Environmental Protection, Florida Fish and Wildlife Conservation Commission, Florida Division of Forestry	Work type not yet selected	Labor type not yet selected	Total cost dependent upon number of acres burned; a fire at Flamingo Villas in 2001 probably means no more burning is needed for 15 or more years. Action lead(s): FWS, DOF
Garrett's mint (Dicerandra christmanii)	3	dich-h2.2	Enhance sites with native plant species.	Not Started			Florida Department of Environmental Protection, Florida Fish and Wildlife Conservation Commission, Non-governmental organizations	Work type not yet selected	Labor type not yet selected	Cost is per acre (ex. 0.5/acre). Total cost dependent upon number of acres enhanced. Action lead(s): FWS
Garrett's mint (Dicerandra christmanii)	2	dich-h3.0	Conduct habitat-level research projects.	Ongoing Current	FY 2011		Non-governmental organizations, Florida Division of Forestry	Work type not yet selected	Labor type not yet selected	Action lead(s): FWS
Garrett's mint (Dicerandra christmanii)	2	dich-h4.0	Monitor habitat/ecological processes.	Ongoing Current	FY 2011		Florida Department of Environmental Protection, Florida Fish and Wildlife Conservation Commission, Florida Division of Forestry	Work type not yet selected	Labor type not yet selected	Action lead(s): FWS
Garrett's mint (Dicerandra christmanii)	3	dich-h5.0	Provide public information about scrub and its unique biota.	Not Started			Florida Department of Environmental Protection, Florida Fish and Wildlife Conservation Commission, Non-governmental organizations, Florida Division of Forestry	Work type not yet selected	Labor type not yet selected	Action lead(s): FWS, private
Garrett's mint (Dicerandra christmanii)	2	dich-s1.1.1	Continue surveys in Highlands County.	Ongoing Current	FY 1995 - FY 1999		Florida Fish and Wildlife Conservation Commission, Non-governmental organizations, Florida Division of Forestry, Bok Tower Gardens, Archbold Biological Station	Research: Population Surveys	Internal Technical Assistance, Species Expert	Action lead(s): USFWS, BOK, ABS

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Garrett's mint (Dicerandra christmanii)	1	dich-s1.1.2	Continue surveys on protected lands.	Ongoing Current	FY 2010		Florida Fish and Wildlife Conservation Commission, Non-governmental organizations	Work type not yet selected	Labor type not yet selected	Action lead(s): FWS
Garrett's mint (Dicerandra christmanii)	3	dich-s1.2	Maintain distribution of known populations and suitable habitat in GIS database.	Complete	FY 2009	FY 2011	Florida Fish and Wildlife Conservation Commission, Florida Natural Areas Inventory	Work type not yet selected	Labor type not yet selected	Action lead(s): FWS
Garrett's mint (Dicerandra christmanii)	1	dich-s2.1	Acquire or otherwise protect privately owned habitat through acquisition, conservation easements, or agreements with landowners.	Not Started			Florida Department of Environmental Protection	Work type not yet selected	Labor type not yet selected	Cost dependent upon specific site and amount of land acquired. Action lead(s): FWS
Garrett's mint (Dicerandra christmanii)	1	dich-s2.2	Protect populations on public lands.	Ongoing Current	FY 2009		Private industry, landowners, etc.	Work type not yet selected	Labor type not yet selected	Cost dependent upon type of protection provided. Action lead(s): FWS
Garrett's mint (Dicerandra christmanii)	3	dich-s2.3	Use local or regional planning to protect habitat.	Not Started			South Florida counties	Work type not yet selected	Labor type not yet selected	Cost included in standard operating procedures of participating agency's budget. Action lead(s): FWS
Garrett's mint (Dicerandra christmanii)	1	dich-s2.4.1	Conserve germ plasm.	Ongoing Current	FY 2011		Private industry, landowners, etc.	Work type not yet selected	Labor type not yet selected	Currently in Bok's collection. Action lead(s): private
Garrett's mint (Dicerandra christmanii)	2	dich-s2.4.2	Maintain ex situ collection.	Ongoing Current	FY 2011		Private industry, landowners, etc.	Work type not yet selected	Labor type not yet selected	Currently in Bok's collection. Action lead(s): private

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Garrett's mint (Dicerandra christmanii)	2	dich-s2.5.1	Initiate section 7 consultation when applicable.	Ongoing Current	Prior to FY 1995		U.S. Bureau of Land Management, U.S. Department of Agriculture, U.S. Geological Survey, Biological Resources Division, U.S. Geological Survey, U.S. Environmental Protection Agency, U.S. Army Corps of Engineers, Natural Resources Conservation Service, United States Coast Guard, U.S. Air Force	Work type not yet selected	Labor type not yet selected	Cost included in standard operating procedures of Federal agency's budget. Action lead(s): All Federal agencies
Garrett's mint (Dicerandra christmanii)	3	dich-s2.5.2	Enforce take and trade prohibitions.	Ongoing Current	Prior to FY 1995		Florida Department of Agriculture and Consumer Services/Division of Plant Industry	Work type not yet selected	Labor type not yet selected	Cost included in standard operating budgets of participating agencies. Action lead(s): FWS, FDACS/DPI
Garrett's mint (Dicerandra christmanii)	1	dich-s2.6.1	Establish a protocol for reintroduction.	Complete	FY 2010	FY 2011	Private industry, landowners, etc.	Work type not yet selected	Labor type not yet selected	Action lead(s): FWS
Garrett's mint (Dicerandra christmanii)	1	dich-s2.6.2	Locate potential (re)introduction sites.	Partially Complete	FY 2011		Non-governmental organizations	Work type not yet selected	Labor type not yet selected	Action lead(s): FWS
Garrett's mint (Dicerandra christmanii)	1	dich-s2.6.3	(Re)introduce plants to protected sites.	Partially Complete	FY 2011		Private industry, landowners, etc.	Work type not yet selected	Labor type not yet selected	Action lead(s): FWS
Garrett's mint (Dicerandra christmanii)	1	dich-s3.1	Continue research to determine demographic information.	Ongoing Current	FY 2005		Private industry, landowners, etc., Public and private universities	Work type not yet selected	Labor type not yet selected	Action lead(s): FWS
Garrett's mint (Dicerandra christmanii)	3	dich-s3.2	Assess genetic variability in Garrett's mint.	Not Started			Non-governmental organizations, Archbold Biological Station	Work type not yet selected	Labor type not yet selected	See Menges et al. (2001). Action lead(s): Archbold
Garrett's mint (Dicerandra christmanii)	1	dich-s3.3	Once demographic data are known, conduct population viability and risk assessment analysis.	Not Started			Private industry, landowners, etc., Public and private universities	Work type not yet selected	Labor type not yet selected	Action lead(s): FWS, private
Garrett's mint (Dicerandra christmanii)	2	dich-s3.4	Conduct research to assess management requirements of Garrett's mint.	Partially Complete	FY 2011		Private industry, landowners, etc., Public and private universities	Work type not yet selected	Labor type not yet selected	Action lead(s): private

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Garrett's mint (Dicerandra christmanii)	1	dich-s4.1.1	Monitor to detect changes in demographic characteristics.	Ongoing Current	Prior to FY 1995		Non-governmental organizations	Work type not yet selected	Labor type not yet selected	Action lead(s): private
Garrett's mint (Dicerandra christmanii)	1	dich-s4.1.2	Monitor the effects of various land management actions on Garrett's mint.	Not Started			Private industry, landowners, etc.	Work type not yet selected	Labor type not yet selected	Action lead(s): FWS
Garrett's mint (Dicerandra christmanii)	2	dich-s4.2	Develop a quantitative description of the population structure of Garrett's mint.	Complete	FY 2010	FY 2010	Florida Department of Environmental Protection, Florida Division of Forestry, Private industry, landowners, etc.	Work type not yet selected	Labor type not yet selected	Action lead(s): private
Garrett's mint (Dicerandra christmanii)	2	dich-s4.3	Monitor re-introduced plants.	Ongoing Current	FY 2011		Florida Fish and Wildlife Conservation Commission, Private industry, landowners, etc.	Work type not yet selected	Labor type not yet selected	Action lead(s): private
Garrett's mint (Dicerandra christmanii)	3	dich-s5.0	Provide public information about Garrett's mint.	Ongoing Current	FY 2007		Florida Fish and Wildlife Conservation Commission, Non-governmental organizations	Work type not yet selected	Labor type not yet selected	Action lead(s): FWS, private